

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/540,539

Source:

PCT

Date Processed by STIC:

7-11-05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 07/11/2005

PATENT APPLICATION: US/10/540,539

TIME: 15:07:49

Input Set : A:\062331-5002-US Sequence Listing.txt

Output Set: N:\CRF4\07112005\J540539.raw

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3 <110> APPLICANT: ZHOU, Rouli
4     SHAO, Genze
5     LIU, Xinrong
6     ZHANG, Qingyun
7     RUI, Jingan
8     ZHANG, Ye
9     JIN, Yueying
10    LIN, Ming
11    ZHANG, Sha
13 <120> TITLE OF INVENTION: HUMAN CANCER-RELATED GENE, ITS ENCODED PRODUCTS AND
APPLICATIONS
15 <130> FILE REFERENCE: 062331-5002-US
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/540,539
C--> 17 <141> CURRENT FILING DATE: 2005-06-24
17 <150> PRIOR APPLICATION NUMBER: PCT/CN2003/001109
18 <151> PRIOR FILING DATE: 2003-12-24
20 <150> PRIOR APPLICATION NUMBER: CN 03109786.3
21 <151> PRIOR FILING DATE: 2003-04-21
23 <150> PRIOR APPLICATION NUMBER: CN 02158110.X
24 <151> PRIOR FILING DATE: 2002-12-24
26 <160> NUMBER OF SEQ ID NOS: 8
28 <170> SOFTWARE: PatentIn version 3.3
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31 <211> LENGTH: 954
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 1
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40 ggtatcgagg aggcaggccc gcgggcgcac gggcgagcgg gccgggagcc ggagcggcgg      180
42 aggagccggc agcagcggcg cggcgggctc caggcgaggc ggtcgacgct cctgaaaact      240
44 tgcgcgcgcg ctgcgcgccac tgcgcccgga gcgatgaaga tggtcgcgcc ctggacgcgg      300
46 ttctactcca acagctgctg cttgtgctgc catgtccgca ccggcaccat cctgctcggc      360
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52 gccaacatgt gcattgccat tgcgatttct cttctcatga tcctgatatg tgctatggct      540
54 acttacggag cgtacaagca acgcgcagcc tggatcatcc cattcttctg ttaccagatc      600
56 tttgactttg ccctgaacat gttggttgca atcaactgtc ttatttatcc aaactccatt      660
58 caggaataca tacggcaact gcctcctaata tttccctaca gagatgatgt catgtcagtg      720
60 aatcctacct gtttggtcct tattattctt ctggtttatta gcattatctt gacttttaag      780
62 ggttacttga ttagctgtgt ttggaactgc taccgataca tcaatggtag gaactcctct      840
64 gatgtcctgg tttatgttac cagcaatgac actacgggtgc tgctaccccc gtatgatgat      900
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69 <210> SEQ ID NO: 2

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70 &lt;211&gt; LENGTH: 1440

71 &lt;212&gt; TYPE: DNA

72 &lt;213&gt; ORGANISM: Homo sapiens

74 &lt;400&gt; SEQUENCE: 2

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77 ctccagcagc tggctggagc ccgcgatgac gtcacggact cgggtcacat ggccgagtcc      120
79 gccccgcccc ctccccgtcc ccgccgctgc agccgtcgcc ttcggagcga agggtagcga      180
81 cccggcagaa gctcggagct ctccgggtat cgaggaggca ggcccgcggg cgcacggggcg      240
83 agcggggccg gagccggagc ggcggaggag ccggcagcag cggcgcggcg ggctccaggc      300
85 gaggcggtcg acgctcctga aaacttgccg gcgcgctcgc gccactgcgc ccggagcgat      360
87 gaagatggtc gcgccttga cgcggttcta ctccaacagc tgctgcttgt gctgccatgt      420
89 ccgcaccggc accatcctgc tcggcgtctg gtatctgac atcaatgctg tggtagctgt      480
91 gattttattg agtgccctgg ctgatccgga tcagtataac ttttcaagtt ctgaactggg      540
93 aggtgacttt gagttcatgg atgatgcaa catgtgcatt gccattgcga tttctcttct      600
95 catgatcctg atatgtgcta tggctactta cggagcgtac aagcaacgcg cagcctggat      660
97 catcccattc ttctgttacc agatctttga ctttgcctg aacatgttgg ttgcaatcac      720
99 tgtgcttatt tatccaaact ccattcagga atacatacgg caactgcctc ctaattttcc      780
101 ctacagagat gatgtcatgt cagtgaatcc tacctgtttg gtccttatta ttcttctgtt      840
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105 atacatcaat ggtaggaact cctctgatgt cctggtttat gttaccagca atgacactac      960
107 ggtgctgcta cccccgatg atgatgccac tgtgaatggg gctgccaaagg agccaccgcc      1020
109 accttacgtg tctgcctaag ctttcaagtg ggcggagctg agggcagcag cttgactttg      1080
111 cagacatctg agcaatagtt ctgttatttc acttttgcca tgagcctctc tgagcttgtt      1140
113 tgttgctgaa atgctacttt ttaaaattta gatgttagat tgaaaactgt agttttcaac      1200
115 atatgctttg ctggaacact gtgatagatt aactgtagaa ttcttcctgt acgattgggg      1260
117 atataatggg cttcactaac cttccctagg cattgaaact tccccaaat ctgatggacc      1320
119 tagaagtctg cttttgtacc tgctgggccc caaagttggg catttttctc tctgttccct      1380
121 ctcttttgaa aatgtaaaat aaaacaaaaa atagacaaa aaaaaaaaaa aaaaaaaaaa      1440

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124 &lt;210&gt; SEQ ID NO: 3

125 &lt;211&gt; LENGTH: 2169

126 &lt;212&gt; TYPE: DNA

127 &lt;213&gt; ORGANISM: Homo sapiens

129 &lt;400&gt; SEQUENCE: 3

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132 ctccagcagc tggctggagc ccgcgatgac gtcacggact cgggtcacat ggccgagtcc      120
134 gccccgcccc ctccccgtcc ccgccgctgc agccgtcgcc ttcggagcga agggtagcga      180
136 cccggcagaa gctcggagct ctccgggtat cgaggaggca ggcccgcggg cgcacggggcg      240
138 agcggggccg gagccggagc ggcggaggag ccggcagcag cggcgcggcg ggctccaggc      300
140 gaggcggtcg acgctcctga aaacttgccg gcgcgctcgc gccactgcgc ccggagcgat      360
142 gaagatggtc gcgccttga cgcggttcta ctccaacagc tgctgcttgt gctgccatgt      420
144 ccgcaccggc accatcctgc tcggcgtctg gtatctgac atcaatgctg tggtagctgt      480
146 gattttattg agtgccctgg ctgatccgga tcagtataac ttttcaagtt ctgaactggg      540
148 aggtgacttt gagttcatgg atgatgcaa catgtgcatt gccattgcga tttctcttct      600
150 catgatcctg atatgtgcta tggctactta cggagcgtac aagcaacgcg cagcctggat      660
152 catcccattc ttctgttacc agatctttga ctttgcctg aacatgttgg ttgcaatcac      720
154 tgtgcttatt tatccaaact ccattcagga atacatacgg caactgcctc ctaattttcc      780
156 ctacagagat gatgtcatgt cagtgaatcc tacctgtttg gtccttatta ttcttctgtt      840
158 tattagcatt atcttgactt ttaagggtta cttgattagc tgtgtttgga actgctaccg      900
160 atacatcaat ggtaggaact cctctgatgt cctggtttat gttaccagca atgacactac      960

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162 ggtgctgcta cccccgtatg atgatgccac tgtgaatggt gctgccaaagg agccaccgcc 1020
164 accttacgtg tctgcctaag ccttcaagtg ggcggagctg agggcagcag cttgactttg 1080
166 cagacatctg agcaatagtt ctgttatttc acttttgcca tgagcctctc tgagcttggt 1140
168 tgttgctgaa atgctacttt ttaaaattta gatgttagat tgaaaactgt agttttcaac 1200
170 atatgctttg ctggaacact gtgatagatt aactgtagaa ttcttcctgt acgattgggg 1260
172 atataatggg cttcactaac cttccctagg cattgaaact tcccccaaat ctgatggacc 1320
174 tagaagtctg cttttgtacc tgctgggccc caaagtggg catttttctc tctgttcctt 1380
176 ctcttttgaa aatgtaaaat aaaaccaaaa atagacaact ttttcttcag ccattccagc 1440
178 atagagaaca aaaccttatg gaaacaggaa tgtcaattgt gtaatcattg ttctaattag 1500
180 gtaaatagaa gtccttatgt atgtgttaca agaatttccc ccacaacatc ctttatgact 1560
182 gaagttcaat gacagtttgt gtttggtggt aaaggatttt ctccatggcc tgaattaaga 1620
184 ccattagaaa gcaccaggcc gtgggagcag tgaccatctg ctgactgttc ttgtggatct 1680
186 tgtgtccagg gacatggggg gacatgcctc gtatgtgtta gaggggtgga tggatgtgtt 1740
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190 gcttttacta agtgttctgc cctagattgg ttcaaggagg tcatccaact gactttatcg 1860
192 agtgggaattg ggataatttt gatatacttc tgcctaacaa catggaaaag ggttttcttt 1920
194 tccctgcaag ctacatccta ctgctttgaa cttccaagta tgtctagtca ccttttaaaa 1980
196 tgtaaacatt ttcagaaaaa tgaggattgc cttccttgta tgcgcttttt accttgacta 2040
198 cctgaattgc aagggatttt tatatatcca tatgttacaa agtcagcaac tctcctgttg 2100
200 gttcattatt gaatgtgctg taaattaagt tgtttgcaat taaaacaagg tttgccca 2160
202 aaaaaaaaaa 2169

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205 &lt;210&gt; SEQ ID NO: 4

206 &lt;211&gt; LENGTH: 317

207 &lt;212&gt; TYPE: PRT

208 &lt;213&gt; ORGANISM: Homo sapiens

210 &lt;400&gt; SEQUENCE: 4

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212 Met Thr Ser Arg Thr Arg Val Thr Trp Pro Ser Pro Pro Arg Pro Leu
213 1 5 10 15
216 Pro Val Pro Ala Ala Ala Val Ala Phe Gly Ala Lys Gly Thr Asp
217 20 25 30
220 Pro Ala Glu Ala Arg Ser Ser Arg Gly Ile Glu Glu Ala Gly Pro Arg
221 35 40 45
224 Ala His Gly Arg Ala Gly Arg Glu Pro Glu Arg Arg Arg Ser Arg Gln
225 50 55 60
228 Gln Arg Arg Gly Gly Leu Gln Ala Arg Arg Ser Thr Leu Leu Lys Thr
229 65 70 75 80
232 Cys Ala Arg Ala Arg Ala Thr Ala Pro Gly Ala Met Lys Met Val Ala
233 85 90 95
236 Pro Trp Thr Arg Phe Tyr Ser Asn Ser Cys Cys Leu Cys Cys His Val
237 100 105 110
240 Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr Leu Ile Ile Asn Ala
241 115 120 125
244 Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala Asp Pro Asp Gln Tyr
245 130 135 140
248 Asn Phe Ser Ser Ser Glu Leu Gly Gly Asp Phe Glu Phe Met Asp Asp
249 145 150 155 160
252 Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu Leu Met Ile Leu Ile
253 165 170 175
256 Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile

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257          180          185          190
260 Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu
261          195          200          205
264 Val Ala Ile Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile
265          210          215          220
268 Arg Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val
269 225          230          235          240
272 Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile
273          245          250          255
276 Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr Arg
277          260          265          270
280 Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val Thr Ser
281          275          280          285
284 Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala Thr Val Asn
285          290          295          300
288 Gly Ala Ala Lys Glu Pro Pro Pro Tyr Val Ser Ala
289 305          310          315
292 <210> SEQ ID NO: 5
293 <211> LENGTH: 226
294 <212> TYPE: PRT
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 5
299 Met Lys Met Val Ala Pro Trp Thr Arg Phe Tyr Ser Asn Ser Cys Cys
300 1          5          10          15
303 Leu Cys Cys His Val Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr
304          20          25          30
307 Leu Ile Ile Asn Ala Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala
308          35          40          45
311 Asp Pro Asp Gln Tyr Asn Phe Ser Ser Ser Glu Leu Gly Gly Asp Phe
312          50          55          60
315 Glu Phe Met Asp Asp Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu
316 65          70          75          80
319 Leu Met Ile Leu Ile Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln
320          85          90          95
323 Arg Ala Ala Trp Ile Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe
324          100          105          110
327 Ala Leu Asn Met Leu Val Ala Ile Thr Val Leu Ile Tyr Pro Asn Ser
328          115          120          125
331 Ile Gln Glu Tyr Ile Arg Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp
332          130          135          140
335 Asp Val Met Ser Val Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu
336 145          150          155          160
339 Phe Ile Ser Ile Ile Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val
340          165          170          175
343 Trp Asn Cys Tyr Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu
344          180          185          190
347 Val Tyr Val Thr Ser Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp
348          195          200          205
351 Asp Ala Thr Val Asn Gly Ala Ala Lys Glu Pro Pro Pro Pro Tyr Val

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360 <211> LENGTH: 2264
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362 <213> ORGANISM: Homo sapiens
364 <400> SEQUENCE: 6
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366 ctccactcag ggccgactag gggactggcg gaggggtgcac gctgatggat ttactcacccg      120
367 ggtgcttgga gctccagcag ctgcttgagg ctccagcagc tggtcggagc ccgcgatgac      180
371 gtcacggact cgggtcacat ggccgagtcg gccccgcccc ctccccgtcc ccgccgctgc      240
373 agccgtcgcc ttccgagcga agggtagcca cccggcagaa gctcggagct ctccggggtat      300
375 cgaggaggca ggcccgcggg cgcacggggc agcggggcgg gagccggagc ggcggaggag      360
377 ccggcagcag cggcgcgggc ggtcccaggc gaggcggtcg acgctcctga aaacttgcgc      420
379 gcgcgctcgc gccactgcgc ccggagcgat gaagatggtc gcgccctgga cgcgggttcta      480
381 ctccaacacg tgctgcttgt gctgccatgt ccgcaccggc accatcctgc tcggcgtctg      540
383 gtatctgata atcaatgctg tggtagctgt gattttattg agtgccctgg ctgatccgga      600
385 tcagtataac ttttcaagtt ctgaactggg aggtgacttt gagttcatgg atgatgccaa      660
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395 tacctgtttg gtccttatta ttcttctggt tattagcatt atcttgactt ttaagggtta      960
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433 cttccaagta tgtctagtca ccttttaaaa tgtaaacatt ttcagaaaaa tgaggattgc      2100
435 cttccttgta tgcgcttttt accttgacta cctgaattgc aagggatttt tatatattca      2160
437 tatgttacaa agtcagcaac tctcctgttg gttcattatt gaatgtgctg taaattaagt      2220
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443 <211> LENGTH: 370
444 <212> TYPE: PRT

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**VERIFICATION SUMMARY**

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date